

6-in I-out RGBHV Switcher

KEY FEATURES

MX2226AT



- Front panel control
- RS-232 control
- Step Switching feature
- Multiple unit loop control feature
- 1U high, 1 rack wide
- Rack-mountable with included hardware

DESCRIPTION

The MX2226AT is a 6-in I-out RGBHV switcher controllable using its built-in front panel or via RS-232. The MX2226AT utilizes relays internally for each component channel, enabling it to pass a wide variety of other signal types as well, including RGBS, RGsB, Component Video (Y, R-Y, B-Y), S-Video (Y/C) and Composite Video.

The MX2226AT can also be used bi-directionally; a signal can be routed “backwards” through the switcher to allow a single source to be connected to as many as six displays.

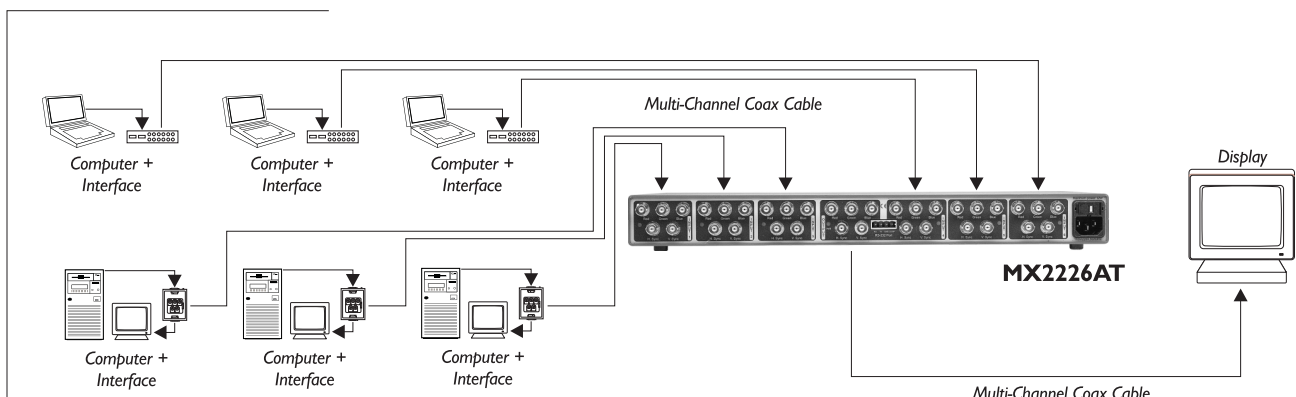
If desired, the MX2226AT can be operated in a Sync Delay switching mode to eliminate the “glitch” typically associated with switching between high-resolution sources.

The MX2226AT offers Step Switching. Activated by a single button on the front panel, Step Switching allows the user to cycle through the inputs sequentially, making the MX2226AT perfect for monitoring applications. The MX2226AT also offers a Video Off feature. This disconnects the video portion of the selected signal but continues to feed sync so that the monitor or projector does not go into a “no display” mode.

Multiple MX2226AT units may be looped together to create a larger switcher with more inputs. By connecting together two pins on the control port of each switcher used, the multiple switchers will act as a single switcher when controlled from the front panel.

The MX2226AT may be rack-mounted using hardware supplied with the unit.

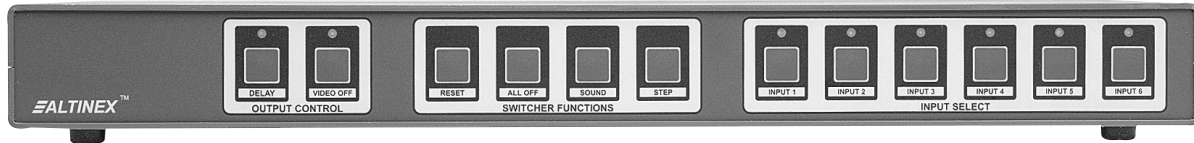
APPLICATION DIAGRAM



Specifications subject to change without notice.

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**SIGNAL
MANAGEMENT
SOLUTIONS**



Front Panel



Back Panel

SPECIFICATIONS

GENERAL

Inputs:(6) 5-BNC Female
 Output:5-BNC Female
 Compatibility:RGBHV, RGBS, RGsB,
 Component Video (Y, R-Y, B-Y), S-Video (Y/C), and
 Composite Video. All channels utilize relays internally.
 Video or Sync may be passed through Red, Green, Blue,
 and/or Sync channels.

MECHANICAL

Width17.00 in432 mm
 Height.....1.75 in44 mm
 Depth9.00 in229 mm
 Weight.....5.2 lb2.36 kg
 Ship Weight7.4 lb3.36 kg
 Material0.1" Al
 FinishGray
 Front/Back PanelsLexan
 T° Operating10°C-35°C
 T° Maximum.....50°C
 Humidity90% non-condensing
 MTBF (calc.).....40,000 hrs

ELECTRICAL

Input Video Signal:
 Analog-10V to +10V
 (+/-10V p-p max.)
 Impedance.....75 Ohm (unselected inputs)
 Input Sync Signal:
 Composite SyncTTL (+/-), Analog 0.3-1.0V
 Sync on Green-0.3V
 Impedance.....pass-through
 Output Video Signal:
 Analog.....-10V to +10V
 (+/-10V p-p max.)
 Fall/Rise Time1.9 ns
 Impedance.....75 Ohm (pass-through)
 Output Sync Signal:
 Composite SyncTTL (+/-), Analog 0.3-1.0V
 (not buffered)
 Sync on Green-0.3V
 Impedance.....pass-through
 Frequency Compatibility:
 Horizontal15-200 kHz
 Vertical30-190 Hz
 Bandwidth400 MHz @ -3dB
 Cross-talk-48dB @ 10 MHz
 (between adjacent inputs)
 CouplingDC
 Power90-140V/200-240V
 Selectable
 Power Consumption12 watts Max.

OPTIONAL ACCESSORIES

DA1292FC: Rack ears for single unit
 (included with MX2226AT)